Powerful by nature.

SPEEDSET
ORCA
1060

Type	Sheetfed water-based inkjet printer
Productivity	Up to 11,000 B1 sheets/hour
Width	Up to 1060 mm x 750 mm (41.7 inch x 29.5 inch)
Colors	CMYK (up to 7 colors optional) + primer + varnish

Capable of printing at killer speeds, the SpeedSet Orca 1060 water-based inkjet press is set to make massive waves in the packaging printing market. With its stunning quality and its capability to handle a wide range of media, this cost-effective solution will enable you to dive into a sea of opportunities.

AGFA *Agfa*

> A beast for every need

Whatever environment you operate in, whatever your markets or applications, whether seeking high productivity, quality, or versatility, we have the right beast for you.
Our inkjet printers are powerful by nature, each with unique strengths built into its design.
These beasts will deliver impressive results without compromise, boosting your business.
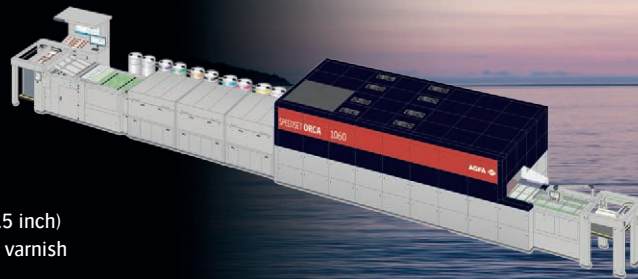
m²/h
ft²/h

printer speed

7000
75 347

SPEEDSET ORCA 1060

> **Print at killer speeds**

→ → → → →
> Sheetfed water-based inkjet printer
> Up to 11,000 B1 sheets/hour
> Up to 1060 mm x 750 mm (41.7 inch x 29.5 inch)
> CMYK (up to 7 colors optional) + primer + varnish

1500
16 146

Onset Grizzly X HS | flatbed → → → → →

1000
10 764

Jeti Tauro H3300 | hybrid → → → → →

700
7 535

Jeti Condor RTR5200 | roll-to-roll → → → →

400
4 306

Jeti Tauro H2500 | hybrid → → →

Jeti Bronco H3300 | hybrid → →

Avinci CX3200 | roll-to-roll textile → →

Jeti Mira MG2716/2732 | flatbed → →

Oberon RTR3300 | roll-to-roll → →

200
2 153

Anapurna Ciervo H3200 | hybrid → →

Anapurna | hybrid printer series →

Anapurna RTR3200 | roll-to-roll →

100
1 076

Anapurna FB2540 | flatbed →

> **Why Agfa**

Inkjet experts

We are leaders in developing groundbreaking, innovative single-pass technology, building on our longstanding heritage in imaging and printing solutions. For over two decades, we have been creating and manufacturing state-of-the-art inkjet printing systems, empowering print service providers to become both more versatile and efficient.

Best cost of ownership

Inks, print heads, substrates and color management software are perfectly tuned to each other to guarantee spot-on print quality, reliable production, low consumable usage and limited maintenance. In sum: we guarantee you the best possible cost of ownership.

Partner for all your needs

Opt for peace of mind with a complete solution from a single supplier: printer, software, inks, service and support.
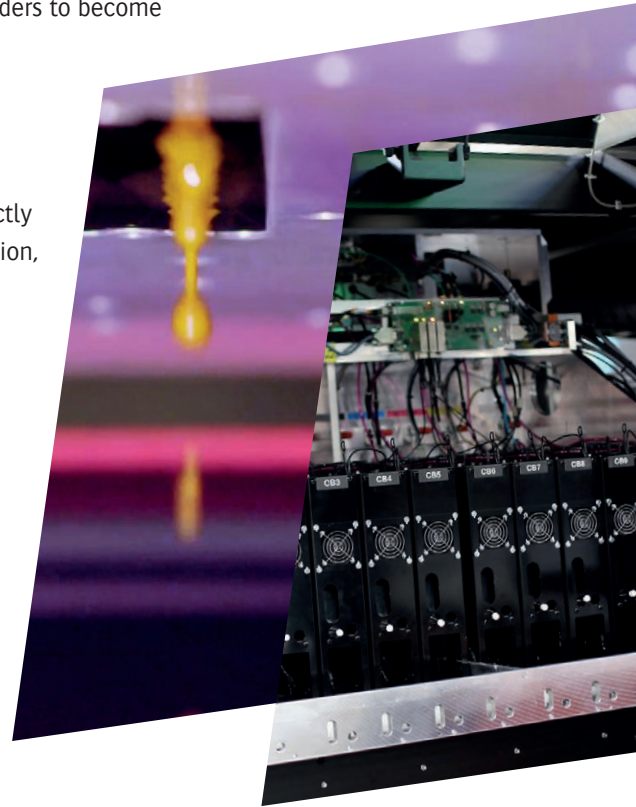
Spot-on inks

> Large color gamut and high vibrancy
> Low ink consumption thanks to our dedicated primer application
> Reliable jetting & batch-to-batch consistency
> Varnish for complete image protection
> Compliant with food safety and recycling standards

Asanti workflow & color management

> Streamlines the printing process from prepress to production
> Guarantees error-free job handling and consistent color reproduction
> Parameter-based Calibrated Print Modes enable automatic job creation
> Production Dashboard offers overview of job status, ink and media consumption
> Includes latest Adobe PDF Print Engine

Global service support & training

> Expert support worldwide minimizes downtime with fast response times and remote troubleshooting capabilities
> Comprehensive training during setup and production, tailored to your needs
> Your feedback shapes our partnership

Get in touch: **www.agfa.com/orca**

> Why the Orca is the right beast for you

This ultra-high-speed packaging printing press merges the robustness and print excellence of an offset press with the compelling qualities of inkjet printing.

> **Productivity:** The Orca prints an impressive 11,000 B1 sheets per hour, making it one of the fastest digital packaging presses on the market.

> **Cost-effectiveness:** The Orca offers compelling cost benefits compared to offset printing thanks to its shorter setup times, minimized material waste, efficient variable data printing, and the elimination of plate creation for each color. Orca will support your mainstream production needs and enhance your overall production efficiency.

> **Unbeatable speed to market:** Thanks to the 'right first time' advantage of digital printing, startup is swift, and job changeover seamless, supporting on-demand printing that lets you hit the shelves with diverse packaging designs in record time.

> **Offset-like print quality:** Featuring a 1200 dpi resolution, the Orca ensures crisp text reproduction. Additionally, it boasts an expansive color gamut that aligns with industry standards.

> **Sustainable solution:** The Orca employs Agfa's environmentally friendly water-based pigment inks, primer, and varnish, producing prints that are recyclable and comply with food-safety regulations. As a digital press, it also enables you to start print jobs with minimal waste of consumables or media.

> **Low ink consumption:** The digital application of the water-based primer with minimal wet thickness enhances image quality, expands the color gamut, and minimizes ink consumption. Digital printing of both primer and varnish enables selective application, targeting only the necessary areas.

> **Differentiation:** A fully digital solution lets you customize or personalize each print individually, facilitating product differentiation.

Extensive media range

The Orca accommodates a broad range of substrates, ranging from folding carton and micro-flute to various paper types, making it perfect for retail or shelf-ready food and beverage packaging. With substrate thickness ranging from 0.2 mm paper to 2 mm microflute, it caters to diverse application needs.

What packaging printing companies say about the Orca

"11,000 sheets per hour is a **gamechanger** for our business"

"The media thickness range offers the most **versatile** capability yet"

"Finally, I can visualize my plant delivering **agility**, meaning my offset operations can become more **efficient**"

"We at Delta are excited to get our hands on the first SpeedSet Orca in the world in our plant. We will be pushing it to the limit and expect **great things** from the press"

> Martin Shipp, COO, The Delta Group

> **Print at
killer speeds**

> # Make massive waves

SpeedSet Orca 1060 | standout features

Inspection system

An integrated camera system continuously inspects print quality.

Multifunctional operator console

The operator console, housing the graphical user interface (GUI), functions as a multifunctional area for lightbox inspection, tool storage, and print storage.

Ink fixation system

The ink fixation system combines infrared drying with hot air.

Sustainable, water-based consumables

Agfa's water-based pigment inks, primer and varnish are environmentally friendly. They also comply with food-safety regulations. As the first print is almost correct, there is only minimal waste of consumables.

Digital primer

The application of primer enhances image quality, expands color gamut and decreases ink consumption.

Inks

The ink set consists of four colors — expandable to seven — and is characterized by vibrant color intensity, reliable jetting capabilities, extensive open head time, excellent physical properties, and low maintenance needs.

Digital varnish

Digital varnish ensures complete protection and a uniform gloss for a flawless finish.
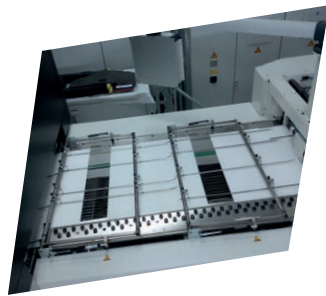
State-of-the-art printing unit

The printing unit features a color bar system consisting of 10 bars, of which 7 bars are preconfigured with primer, CMYK and varnish. Additional colors can be optionally configured.
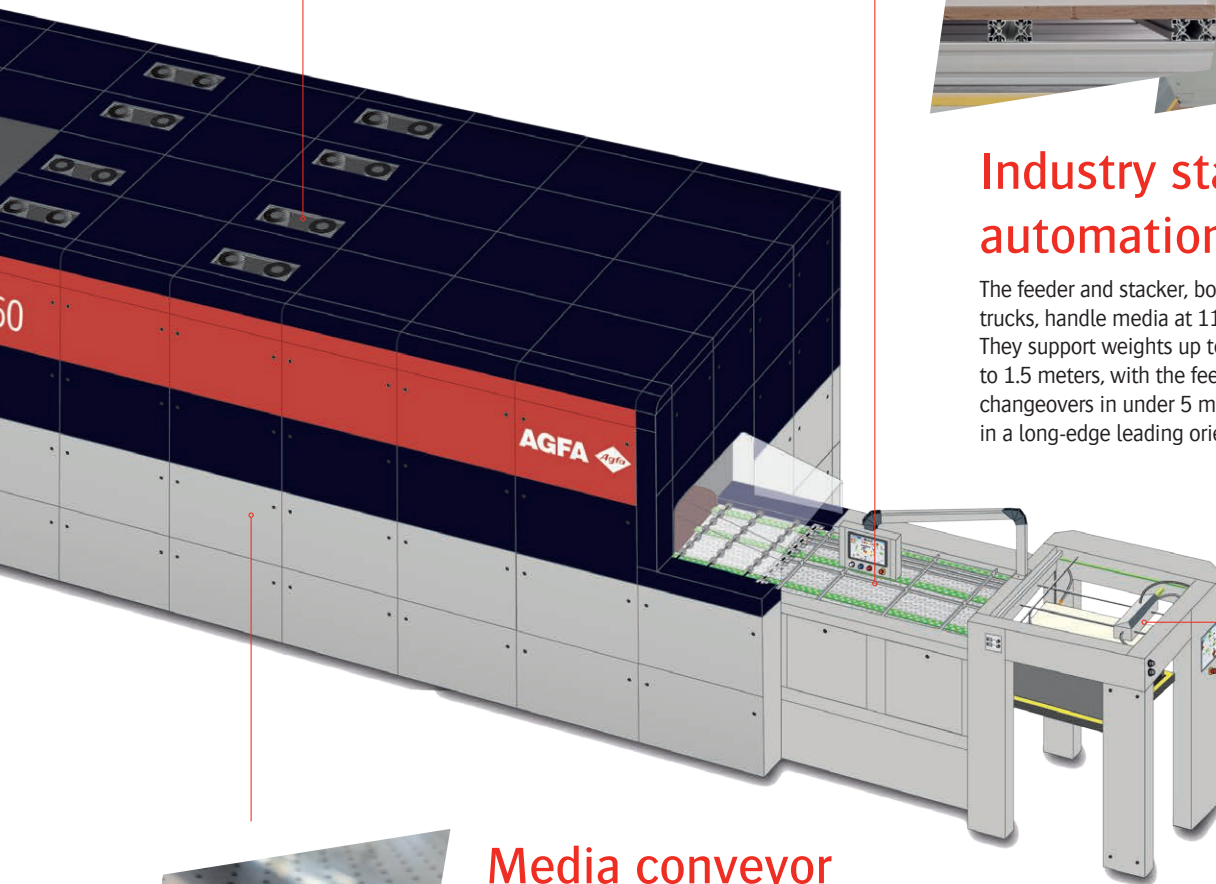
Precise media registration system

The media registration system lets you align media with the center of the conveyor as the reference point. It adjusts for any shrinkage after drying, ensuring precise alignment within ± 0.2 mm for high-quality paper and carton board.
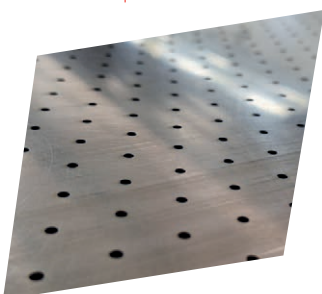

Industry standard automation

The feeder and stacker, both compatible with pallet trucks, handle media at 11,000 B1 sheets per hour. They support weights up to 1,500 kg and heights up to 1.5 meters, with the feeder enabling swift media changeovers in under 5 minutes while feeding media in a long-edge leading orientation.

Media conveyor

Enabling the handling of diverse materials, the steel media conveyor vacuum system assembly offers versatility and flexibility in production processes. It effortlessly handles different materials, elevating productivity to new heights.

> Dive into a sea of opportunities

Specifications SpeedSet Orca 1060

PRODUCTIVITY			
Express mode **Production mode** **Premium mode**	Up to 11,000 B1 sheets/h Up to 7,000 B1 sheets/h Up to 5,500 B1 sheets/h		
MEDIA & PRINTING SPECIFICATIONS			
Media	Paper	Folding carton	Microflute
Maximum size	1060 mm x 750 mm (41.7 inch x 29.5 inch)		
Minimum size	707 x 500 mm (27.8 inch x 19.7 inch)		
Thickness	0.15 mm (0.006 inch) – 0.7 mm (0.03 inch)	0.2 mm (0.008 inch) - 0.9 mm (0.04 inch)	Up to 2 mm (0.08 inch)
Types	All types of coated papers	All types of coated cardboard	Lightweight corrugated boards (E/F/G/N-flute)
CONSUMABLES			
Technology	Waterbased – piezo inkjet (primer – ink set – varnish)		
Colors	4-7 colors: Cyan Magenta Yellow BlacK / optional Orange Green Violet		
Regulatory compliance	GMP compliant ink production Swiss Ordinance compliant Nestlé compliant		
IMAGE QUALITY			
High-quality prints	High-quality printing is attainable at resolutions of up to 1200 x 1200 dpi, rivaling that of offset printing.		
Colour Standards	Our fully digital consumables tuned to meet ISO12647-2, FOGRA, and your Pantone requirements.		
ENGINE DIMENSIONS & HEIGHT			
Printer dimensions (L x W x H)	26 m x 5.8 m x 3.6 m (1024 inch x 228 inch x 142 inch)		
Printer weight	48,100 kg (106,042 lbs)		
ELECTRICITY			
Electricity	380-480 VAC – 560 A – 50/60Hz – 3-phase and protective earth/ground		
Power consumption	Max 360 kW		
SYSTEM INTEGRATION RIP/WORKFLOW SOFTWARE			
	Integrated production solution with Asanti workflow software. Third-party RIP integration possible.		

> Get a demo or print sample pack!